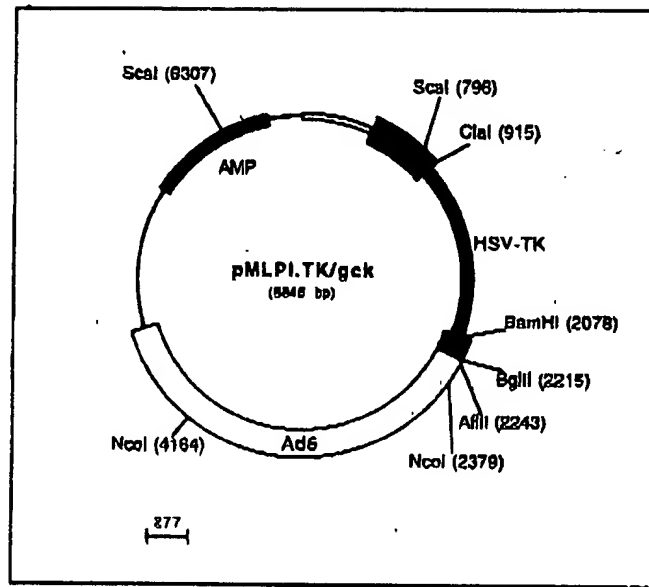
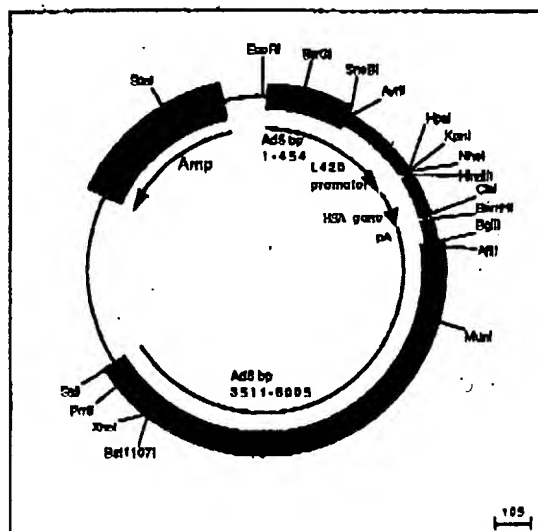


Figure 1



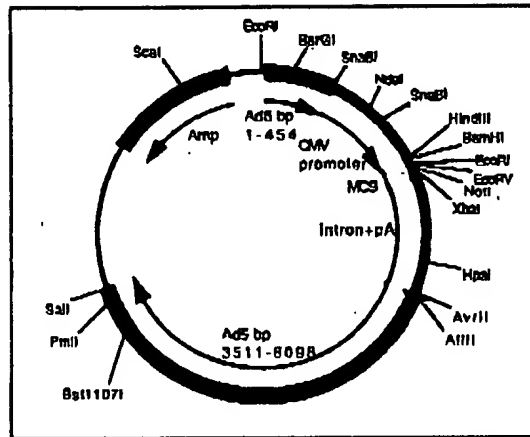
664020-4863466

Figure 2



66233" 4366466

Figure 3



664220"1524460

Figure 4

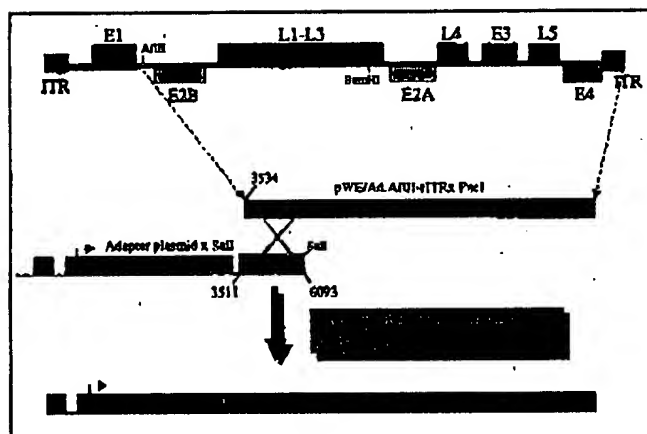
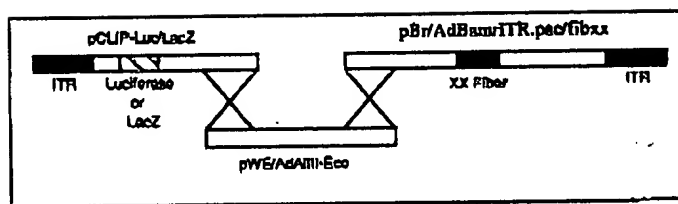


Figure 5



66360-436360

Figure 6

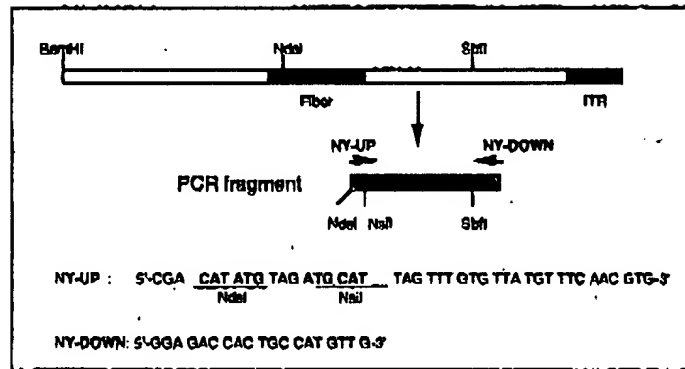


Figure 7:

1.1: Serotype 8 fiber protein

SCSCPSAPTIFMLLQMKRARPS EDTFNPVYPYGYARNQNIPFLTTPPFVSSNGFQ
NFPPGVLSLKLADPITINNQNVS LKVG GGLTLQEETGKLT VNTEPPLHLTNNKLG I
ALDAPFDVIDNKL TLLAGHGLS IITKETSTLPGL VNTLVVLTGKGIGTDLSNNGGN
ICVRVGE GGGLSFN DNGDLVAFNKKEDKRTLW TTPDTSPNCRIDQDKDSKLT LV
LTKCGSQILANVSLIVVAGRYKIINNNTNPALKGFTIKLLFDKNGVLMESSNLGKS
YWNFRNQNSIMSTAYEKAIGFMPNLVAYPKPTTGSKKYARDIVYGNIYLGKPH
QPVTIKTTFNQETGCEYSITFDFSWAKTYVNVEFETTSFTFSYIAQE.

1.2: Serotype 9 fiber protein

SCSCPSAPTIFMLLQMKRARPS EDTFNPVYPYGYARNQNIPFLTTPPFVSSDGFQ
NFPPGVLSLKLADPIAVNGNVSLKVG GGLTLQDGTGKLT VNADPFLQLTNNKL
GIALDAPFDVIDNKL TLLAGHGLS IITKETSTLPGLINTLVVLTGKGIGTESTDNGG
SVCVRVGE GGGLSFN DNGDLVAFNKKEDKRTLW TTPDTSPNCKIDQDKDSKLT LV
VLTCKGSQILANVSLIVVAGKYKIINNNTQPALKGFTIKLLFDENGVLMESSNLGK
SYWNFRNENSIMSTAYEKAIGFMPNLVAYPKPTAGSKKYARDIVYGNIYLGKPH
DQPVTIKTTFNQETGCEYSITFDFSWAKTYVNVEFETTSFTFSYIAQE.

1.3: Serotype 13 fiber protein

XXXXXSAPTIFMLLQMKRARSSXDTFNPVYPYGYARNQNIXFXTPPFVXSDGF
KNFPPGVLSLKLADPITIANGDVSLKVG GGLTLQEGSLTVDPKAPLQLANDKKLE
LVYDDPFEVSTNKL SLKVGHGLKVLDDKSAGGLKDLIGKLVVLTGKGIGIENLQ
NDDGSSRGVGINVRLGTDGGLSFDRKGELVAWNRKDDRRTLW TTPDPSPNCKA
ETEKDSKLT LVLTCKGSQILATVSIIVLKOKYEFVKKETEPKSFV KLLFDSKGV L
LPTSNLSKEYWNYRSYDN NIGTPYENAVPFMPNLKAYPKPTKTA SDKAENKISS
AKNKIVSNFYFGGQAYQPGTIHKFNEEIDETCAYSITFNFGWGKVYDNPFFDTS
FTXSYIAQE.

1.4: Serotype 14 fiber protein

HPFINPGFISPNGFTQSPDGVLT LKCLTPLTTTGGSLQLKVGGGLTVDDTDGTLQE
NIGATTPLVKTGHSIGLSL GAGLGTDENKLC TKLGEGLTFNSNNICIDDNINTLWT
GVNPTEANCQMMDSSESNDCKLIL TLVKTGALVTA FVYVIGVSNNFNMLTTYRN
INFTAELFFDSAGNLLTSLSSLKTPLNHKSGQTWLLVPLLMLKVSCPAQLLILSIIL
EKNKTTFTTEL VTTQLVTILLFPLTISVMLNQRAIRADTSYCIRITWSWNTGDAPEG
QTSATTLVTS

1.5: Serotype 20 fiber protein

IQNIPFLTTPPFVSSDGLQNFP PGVLSLKLADPIAVNGNVSLKVG GGITVEQDSGQL
IANPKAPLQVANDKLELSYAYPFETSANKLSLKVGGQLKVLDEKDSGGLQNLLG
KLVLVTGKGIGVEELKNPDNTNRGVGINVRLGKDGGLSFNKNGELVAWNKHND

TGTLWTTDPSPNCKIEEVKDSKLTLLVLTCKGSQILATMAFQVVKGTYENISKNT
AKNSFSIKLLFDDNGKLLLEGSSLDKDYWNFRSDDSIIPNQYDNAVPFMPNLKAYP
KPSTVLPSTDKNSNOKNTTVSNLYLEGKAYQPVAVTITFNKEIGCTYSITFDGWA
KTYDVPIPFDSST

1.6: Serotype 23 fiber protein

QNIPFLTTPPFVSSDGFQNFPPGVLSLKLADPIATTNGDVSLKVGGGLTVEQDSGNL
KVNTKAPLQVAADKQLEIALADPFEVSKGRLGIKAGHGLKVIDNSISGLEGLVGT
LVVLTGHGIGTENLLNNDGSSRGVGINVRLGKDGGLSFDKKGDLVAWNKKYDT
RTLWTTDPSPNCKVIEAKDSKLTLLVLTCKGSQILANMSLLILKGTYEYISNAIAN
KSFTIKLLFNDKGVLMGSSLDKDYWNYKSDDSVMSKAYENAVPFMPNLKAYP
NPTTSTTNPSTDKKSNOKNAINVSNVYLEGRAYQPVAITITFNKETGCTYSMTDF
GWSKVYNDPIPFDTSSLT

1.7: Serotype 24 fiber protein

SCSCPSAPTIFMLLQMKRARPS EDTFNPVYPYGYARNQNIPFLTTPPFVSSDGFQ
NFPPGVLSLKLADPIATTNGDVSLKVGGGLTVEKDSGNLKVNPAPLQVTTDKQL
ELALAYPFEVSNGLGIKAGHGLKVIDKIAGLEGLAGTLVVLTGKGIGTENLENS
DGSSRGVGINVRLAKDGGLSFDKKGDLVAWNKHDDRTLWTTDPSPNCTIDQ
ERDSKLTLLVLTCKGSQILANVSLLVVKGKFSNNNNNTNPTDKKITVKLLFNEKGV
LMDSSTLKKEYWNYRNDNSTVSQAYDNAVPFMPNKA YPKPTTDTSAKPEDKK
SAAKRYTVSNVYIGGLPDKTVVITIKFNAETECAY SITFEFTWAKTFEDVQFDSSSF
TFSYIAQE.

1.8: Serotype 25 fiber protein

SCSCPSAPTIFMLLQMKRARPS EDTFNPVYPYGYARNQNIPFLTTPPFVSSDGFQ
NFPPGVLSLKLADPITISNGDVSLKVGGGLTVEQDSGNLSVNPAPLQVGTDKKL
ELALAPPFNVKDNKLDLLVGDGLKVIDKSISXLPGLLNYLVVLTGKGIGNEELKN
DDGSNKGVLGCVRIGEGGGLTFDDKGYLVAWNKKHDIRTLWTTLDPSPNCRID
VDKDSKLTLLVLTCKGSQILANVSLLVVKGRFQNLNYKTNPNLPKTFTIKLLFDEN
GILKDSSNLDKNYWNYRNGNSILAEQYKNAVGFMPNLAA YPKSTTTQSKLYAR
NTIFGNTYLDQA YNPVVIKITFNQEADSA YSITLNYSWGKD YENIPFDS

1.9: Serotype 27 fiber protein

IPFLTTPPFVSSDGFKNFPPGVLSLKLADPITITNGDVSLKVGGGLVVEKESGKLSV
DPKTPLQVASDNKLELSYNAPFKVENDKLSLDVGHGLKVIGNEVSSLPGLINKLV
VLTGKGIGTEELKEQNSDKIIGVGINVRARGGLSFDNDGYLVAWNPKYDRTLW
TTPDTSPNCKMLTKKDSKLTLLVLTCKGSQILGNVSLLAVSGKYLNMKTDETGVI
ILLFDRNGVLMQESSLDKEYWNYRNDNNVIGTPYENAVGFMPNLVAYPKPTSA
DAKNYSRSKIISNVYLKGLIYQPVIIASFNQETTNGCVYSISFDFTCSKDYTGQQF
DVTSF

1.10: Serotype 28 fiber protein

SCSCPSAPTIFMLLQMKRARPS EDTFNPVYPYGYARNQNIPFLTTPPFVSSDGFQ
NFPPGVLSLKLADPITIANGDVSLKLGGGLTVEKESGNLTVNPAPLQVASGQLE
LAYYSPFDVKNNMLTLKAGHGLAVVTKDNTDLQPLMGTLVVLTGKGIGTGTS

HGGTIDVRIGKNGSLAFDKNGLVAWDKENDRRTLWTTPTDSPNCKMSEVKDS
KLTLILTKCGSQILGSVSLAVKGEYQNMTASTNKNVKITLLFDANGVLLEGSSL
DKEYWNFRNNDSTVSGKYENAVPFMPNITAYKPVNSKSYARSHIFGNVYIDAKP
YNPVVIKISFNQETQNNCVYSISFDYTCSKEYTGMQFDVTSFTFSYIAQE.

1.11: Serotype 29 fiber protein

QNIPFLTTPPFVSSDGFKNFPPGVLSLKLADPIAITNGDVSLKVGGGLTVEQDSGNL
SVNPKAPLQVGTDKKLELALAPPFDVRDNKLAIVGDGLKVIDRSISDLPGLLNY
LVVLTGKGIGNEELKNDDGSNKGVGLCVRIGEGGGLTFDDKGYLVAWNNKHDI
RTLWTTLDPSPNCKIDIEKDSKLTLLVLTCKGSQILANVSLIIVNGKFKILNNKTDPS
LPKSFNIKLLFDQNGVLLENSNIEKQYLNFRSGDSILPEPYKNAIGFMPNLLAYAK
ATTDQSKIYARNTTYGNTYLDNQPYNPVVIKITFNNEADSAYSITFNYSWTKDYD
NIPFDSTSFTS

1.12: Serotype 30 fiber protein

SCSCPSAPTIFMLLQMKRARPSTFNPVYPYGYARNQNIPFXTPPFVXSDGFK
NFPFVLSLKLADPIAITNGDVSLKVGGGLTVEQDSGNLSVNPKAPLQVGTDKK
LELALAPPFDVRDNKLAIVGDGLKVIDRSISDLPGLLNYLVVXTGKGIGNEELK
NDDGSNKGVGLCVRIGEGGGLTXDDKGYLVAWNNKHDIRTLWTTLDPSPNCKI
DIEKDSKLTLLVLTCKGSQILANVSLIIVNGKFKILNNKTDPSLPKSFNIKLLFDQNG
VLLENSNIEKQYLNFRSGDSILPEPYKNAIGFMPNLLAYAKATTDQSKIYARNTTY
GNTYLDNQPYNPVVIKITFNNEADSAYSITFNYSWTKDYDNIPFDSTSFTFSYIAQE

1.13: Serotype 32 fiber protein

SCSCPSAPTIFMLLQMKRARPSEDTFNPVYPYGYARNQNIPFLTTPPFVSSDGFQ
NFPFVLSLKLADPTIANGNVSLKVGGGLTLEQDSGKLIVNPKAPLQVANDKLE
LSYADPFETSANKLSLKVGHGLKVLDEKNAGGLKDLIGTLVVLTGKGIGVEELK
NADNTNRGVGINVRLGKDGGLSFDKKGDLVAWNNKHDDRRTLWTTPDPSPNCTI
DEERDSKLTLLVLTCKGSQILANVSLLVVKGKFSNINNNTNPTDKKITVKLLFNEK
GVLMDSSSLKKEYWNYRNDNSTVSQAYDNAVPFMPNIAKYPKPTTDTSAKPED
KKSAAKRYIVSNVYIGGLPDKTVVITIKLNAETESAYSMTFEFTWAKTFENLQFD
SSSFTFSYIAQE.

1.14: Serotype 33 fiber protein

SCSCPSAPTIFMLLQMKRARPSEDTFNPVYPYGYARNQNIPFLTTPPFVSSDGFK
NFPFVLSLKLADPTITNGDVSLKVGGGLTLQEGSLTVNPKAPLQLANDKKLEL
VYDDPFVSTNKLVLKVGHGLKVLDDKSAGGLQDLIGKLVVLTGKGIGIENLQN
DDGSSRGVGINVRLGTDGGLSFDKRGELVAWNRKDDRRTLWTTPDPSPNCKAE
TEKDSKLTLLVLTCKGSQILATVSIIVLKGKYEYFVKKETEPKSFVKKLLFDSKGVLL
PTSNLSKEYWNYRSYDNNIGTPYENAVPFMPNLKAYPKPTKTASDKAENKISSA
KNKIVSNFYFGGQAYQPGTIIKFNEEIDETCAYSITFNFGWGKVYDNPFPFDTSF
TFSYIAQE.

1.15: Serotype 34 fiber protein

SCSCPSAPTIFMLLQMKRARPS EDTFNPVYPYEDESTSQHPFINPGFISPNGFTQ
SPDGVLTCLKCLTPLTTTGGSLQLKVGGGLTVDDTDGTLQKNIRATTPITKNNHSV
ELTIGNGLETQHNLCAKLGNGLKFNNGDICIKDSINTLWTGINPPPNQCIVENTN
TNDOKLTLVLVKNGLVNGYVSLVGVSDTVNQMFQTQTANIQLRLYFDSSGNL
LTDESCLKIPLKNKSSTATSETVASSKAFMPSTTAYPFNTTTRDSENYIHGICYM
TSYDRSLFPLNISIMLNSRMISSNVAYAIQFEWNLNASESPEKQHMTLTTSPPFFSY
IEDDN.

1.16: Serotype 35 fiber protein

SCSCPSAPTIFMLLQMKRARPS EDTFNPVYPYEDESTSQHPFINPGFISPNGFTQ
SPDGVLTCLKCLTPLTTTGGSLQLKVGGGLTVDDTDGTLQENIRATAPITKNNHSV
ELSIGNGLETQNNKLCAKLGNGLKFNNGDICIKDSINTLWTGINPPPNQCIVENTN
TNDGKLTTLVLVKNGLVNGYVSLVGVSDTVNQMFQTQTANIQLRLYFDSSGNL
LTEESCLKIPLKNKSSTATSETVASSKAFMPSTTAYPFNTTTRDSENYIHGICYM
TSYDRSLFPLNISIMLNSRMISSNVAYAIQFEWNLNASESPESNIMTLTTSPPFFSY
TEDDN.

1.17 Serotype 36 fiber protein

SCSCPSAPTIFMLLQMKRARPS EDTFNPVYPYGYARNQNIPFLTTPPFVSSDQFK
NFPPGVLSLKLADPIAVNGDVSLKVGGGLTVEQDSGKLKVNPKIPLQVNDQLE
LATDKPFKIENNLALDVGHGLKVIDKTISDLQGLVGKLVVLTGVGIGTETLKDK
NDKVIGSAVNVRLGKDGGLDENKKGDLVAWNRYYDRRTLWTPDPSPNCKVS
EAKDSKLTTLVLTKCGSQILASVALLIVKGKYQTISESTIPKDQRNFSVKLMFDEKG
KLLDKSSLDKEYWNFRSNDVVGTA YDNAVPFMPNLKAYPKNTTTSSTNPDDKI
SAGKKNIVSNVYLEGRVYQPVALT VKFNSENDCAYSITFDVWSKTYESPVAFD
SSSFTFSYIAQE.

1.18 Serotype 37 fiber protein

SCSCPSAPTIFMLLQMKRARPS EDTFNPVYPYGYARNQNIPFLTTPPFVSSDQFK
NFPPGVLSLKLADPITITNGDVSLKVGGGLTLQDGS LTVNPKAPLQVNTDKKLEL
AYDNPFESSANKLSLKVGHGLKVLDEKSAAGLKD LIGKLVVLTGKGIGTENLEN
TDGSSRGIGINVRAREGLTFDNDGYLVAWNP KYDLRTLWTPDTS PNCTIAQDK
DSKLTTLVLTKCGSQILANVSLIVVAGKYHIINNK TNPKIKSFTIKLLFNKNGVLLD
NSNLGKAYWNFRSGNSNVSTAYEKAIGFMPNLVAVSKPSNSKKYARDIVYGNTY
LGGKPDQPGVIKTTFNQETGCEYSITFNFSWSKTYENVEFETTSFTFSYIAQE.

1.19 Serotype 38 fiber protein

SCSCPSAPTIFMLLQMKRARPS EDTFNPVYPYGYARNQNIPFXTTPPFVXSDGFQ
NFPPGVLSLKLADPITIANGNVSLKVGGGLTLEQDSGKLIVNXKAPLQVANDKLE
LSYADPFETSANKLSLKVGHGLKVLDEKNAGGLKDLIGTLVVLTGKGIGVEELK
NADNTNRGVGINVRLGKDGGLSFDKKGD XVAWNKHDDRRTLWTPDPSPNCTI
DEERDSKLTTLVLTKCGSQILANVSLLVKGKFSNINNTNPTDKKITVKLLFNEK
GVLMDSSSLKKEYWNYRNDNSTVSQAYDNAVPFMPNIKAYPKPTTDTSAKPED
KKSAAKRYTVSNVYIGGLPDKTVVTIKLNAETESAYSMTFEFTWAKTFENLQFD
SSSFTFSYIAQE.

1.20 Serotype 39 fiber protein

IRISPSSLPLSPMDSKTSPLGCTYHSNWLTQSPSPMGMMSHSRWEGGSPWQEGTG
DLKVNAKSPLQVATNKQLEIALAKPFEEKDGKLALKIGHGLAVVDENHTHLQSL
IGTLVILTGKGIGTGRAESGGTIDVRLGSGGGLSFDKDGNLVAWNKDDDRRTLW
TTPDPSPNCKIDQDKDSKLTFLVTKCGSQILANMSLLVVKGKFSMINNKVNGTD
DYKKFTIKLLFDEKGVLLKDSSLDKEYWNYRSNNNNVGSAYEEAVGFMPSTTA
YPKPPTPPTNPTTPLEKSQAKNKYVSNVYLGGQAGNPVATTVSFNKETGCTYSIT
FDFAWNKTYENVQC.

1.21: Serotype 42 fiber protein

SCSCPSAPTIFMLLQMKRARPS EDTFNPVYPYGYARNQNIPFLTTPPFVSSDGFK
NFPPGVLSLKLADPIAITNGDVSLKVGGGLTLQDGTGKLTIDTKTPLQVANNKLE
LAFDAPLYEKNGLALKTGHGLAVLTKDIGIPELIGSLVILTGKGIGTGTVAGGGT
IDVRLGDDGGLSFDKKGDLVAWNKKNDRRTLWTTTPDPSPNCRVSEDKDSKLTIL
LTKCGSQILASFSLLVXGTYTTVDKNTTNKQFSIKLLFDANGKLKSESNLSGYW
NYRSDNSVSTPYDNAVPFMPNTTAYPKIINSTTDPENKKSSAKKTIVGNVYLEG
NAGQPVAVAISFNKETTADYSITFDFAWSKAYETPVFPDTSSMTFSYIAQE.

1.22: Serotype 43 fiber protein

NIPXLTPPFVSSDGFKNFPPGVLSLKLADPITITNGDVSLKVGGGLTVEKESGNLT
VNPAPLQVAKGQLELAYDSPFDVKNMMLTLKAGHGLAVVTKDNTDLQPLMG
TLVVLTGKGIGTGTSAGGGTIDVRIGKNGSLAFDKDGLVAWDKENDRRTLWT
TPDTSPNCKMSEAKDSKLTILTKCGSQILGSVSLAVKGEYQNMTANTKKNVKI
TLLFDANGVLLAGSSXXKEYWNFRSNDSTVSGNYENAVQFMPNITAYKPTNSKS
YARSVIFGNVYIDAKPYNPVVIKISFNQETQNNCVYSISFDYTLISKDYPMQFDV
TLS

1.23: Serotype 44 fiber protein

NIPFLTTPPFVSSDGFKNFPPGVLSLKLADPITITNGNVSLKVGGGLTLQEGTGDLK
VNAKSPLQVATNKQLEIALAKPFEEKDGKLALKIGHGLAVVDENHTHLQSLIGTL
VILTGKGIGTGSAESGGTIDVRLGSGGGLSFDKDGNLVAWNKDDDRRTLWTTTPD
PSPNCKIDQDKDSKLTFLVTKCGSQILANMSLLVVKGKFSMINNKVNGTDDYKK
FTIKLLFDEKGVLLKDSSLDKEYWNYRSNNNNVGSAYEEAVGFMPSTTAYPKPP
TPPTNPTTPLEKSQAKNKYVSNVYLGGQAGNPVATTVSFNKETGCTYSITFDFA
WNKTYENVQFDSSF

1.24: Serotype 45 fiber protein

NIPFLTTPPFVSSDGFKNFPPGVLSLKLADPIAITNGDVSLKVGGGLTVEKDSGNLK
VNPAPLQVTTDKQLEIALAYPFEVSNGLGKAGHGLKVIDKIAGLEGLAGTLV
VLTGKGIGTENLENSDGSSRGVGINVRLAKDGVLAFDKKODLVAWNKHDDRRT
LWTTTPDPSPNCTIDQERDSKLTFLVTKCGSQILANVSLLVVKGKFSNNNNANPT
DKKITVKKLLFNEKGVLMDSSTLKKEYWNYRNDNSTVSQAYDNAVPFMPNIKAY
PKPSTDTSAPKPEDKSAKRYIVSNVYIGGLPDKTVVITIKFNAETECAY SITFEFT
WAKTFEDVQCDSSSFT

1.25: Serotype 46 fiber protein

Figure 8

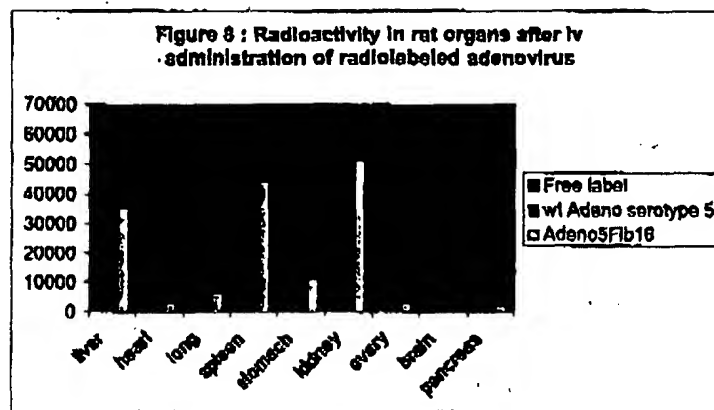


Figure 9

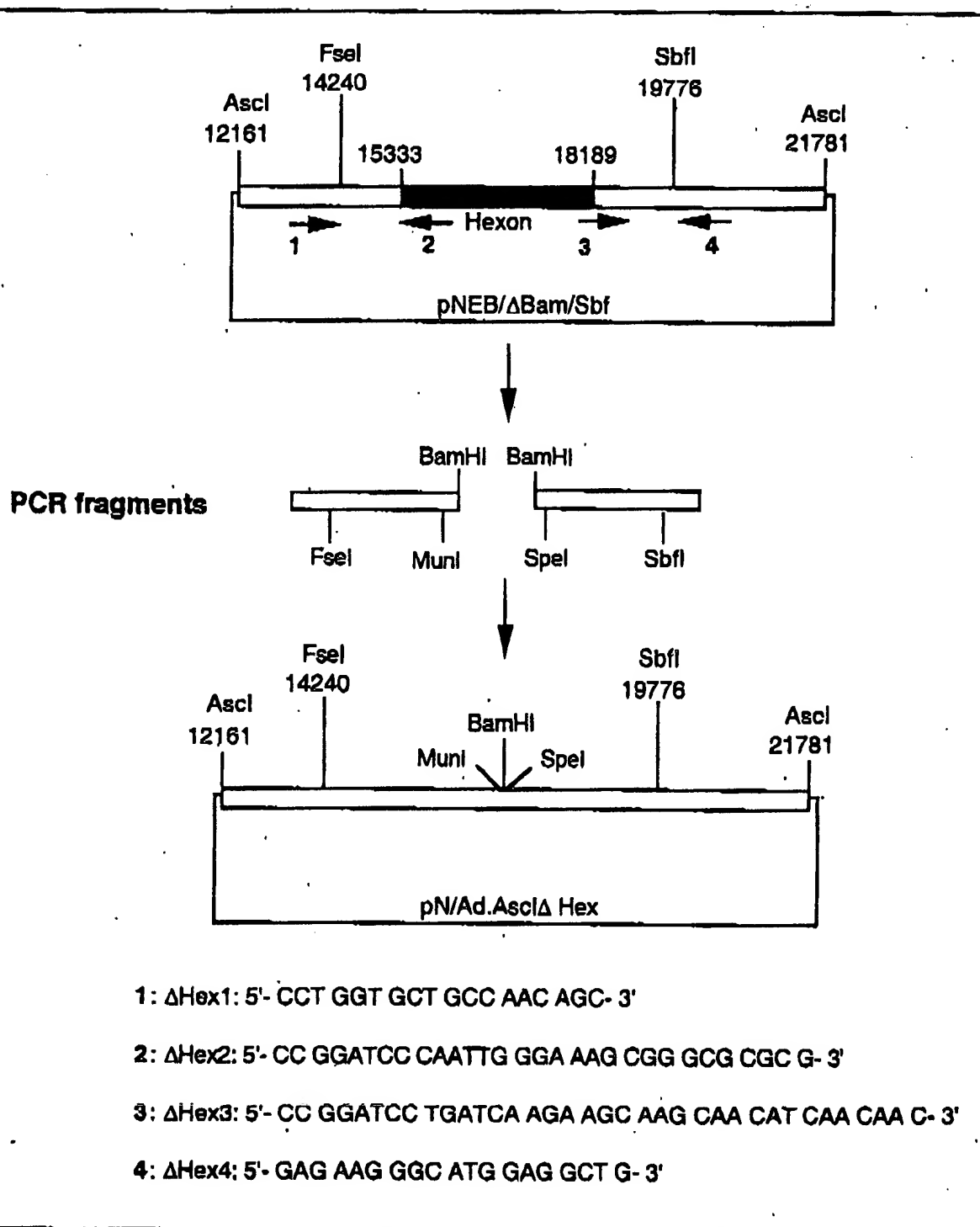


Figure 10

1.1: Serotype 34 hexon protein

LSRRAPGFPLVKMATPSMLPQWAYMHIAGQDASEYLSPLGVQFARATDTYFNL
GNKFRNPTVAPTHDVTDRSQRLMLRFVPVDREDNTYSYKVR YTLAVGDN RVL
DMASTFFDIRGVLD RGPSFKPYSGTAYNSLAPKGAPNASQWLDKGVSTSTGLVDD
GNTDDGEEAKKATYTFGNAPVKAEAEITKDGLPVGLEVSTEGPKPIYADKLYQP
EPQVGDETWTDL DGKTEEYGG RVLKPETKMKPCYGSFAKPTNIKGGQAKVKPK
EDDGTNNIEYDIDMNFFDLRSQRSELKPKIVMYAENV DLECPDTHV VYKPGVSD
ASSETNLGQQSMPNRPNYIGFRDNFIGLMYYNSTGNMGVLAGQASQLNAVVDL
QDRNTELSYQLLDSLGDRTYF SMWNQAVDSYDPDVRVIENHGVEDELPNYCF
PLDGVGPRTDSYKEIKPNGDQSTWTNVDPTGSSELAKGNPFAMEINLQANLWRS
FLYSNVALYLPDSYKYTPSNVTLPENKNTYDYMNGR VVPPSLVD TYVNIGARWS
LDAMD NVNPFNHHRNAGLR YRSMLLGNGRYVPFHIQVPQKFFAVKNLLLLPGS
YTYEWNFRKDVNMVLQSSLGNDLRVDGASISFTSINLYATFFPMAHNTASTLEA
MLRNDTNDQSFNDYLSAANMLYPIANATNIPISIPSRNWAAFRGWSFTRLKTKE
TPSLGSGFDPYFVYSGSIPLDGTFYLNHTFKKVSIMFDSSVSWPGNDRLLSPNEFEI
KRTVDGEGYNVAQCNMIDWFLVQMLANYNIGYQGFYIPEGYKDRMYSFFRN
QPMRQVVDEVNYKDFKAVIPYQHNNSGFVG YMAPTMRQGQPYPANYPYPLIG
TTAVNSVTQKKFLCDRTMWRIPFSSNFMSMGALTDLGQNMLYANSAHALDMTF
EVDPMDEPTLLYLLFEVFDVVRVQPHRGIEAVYL RTPFSAGNATT.

1.2: Serotype 35 hexon protein

LSRRAPGFPLVKMATPSMLPQWAYMHIAGQDASEYLSPLGVQFARATDTYFNL
GNKFRNPTVAPTHDVTDRSQRLMLRFVPVDREDNTYSYKVR YTLAVGDN RVL
DMASTFFDIRGVLD RGPSFKPYSGTAYNSLAPKGAPNASQWLDKGVSTSTGLVDD
GNTDDGEEAKKATYTFGNAPVKAEAEITKDGLPVGLEVSTEGPKPIYADKLYQP
EPQVGDTWTDL DGKTEEYGG RVLKPETKMKPCYGSFAKPTNIKGGQAKVKPKE
DDGTNNIYDIDMNFFDLRSQRSELKPKIVMYAENV DLECPDTHV VYKPGVSDAS
SETNLGQQMPNRPNYIGFRDNFIGLMYYNSTGNMGVLAGQASQLNAVVDLQDR
NTELSYQLLLSLGDRTYF SMWNQAVDSYDPDVRVIENHGVEDELPNYCFPLDG
VGPRTD SYKEIPNGDQSTWTNVDPTGSSELAKGNPFAMEINLQANLWRSFLYSN
VALYLPDSYKYTSNVTLPENKNTYDYMNGR VVPPSLVD TYVNIGARWSLDAMD
NVNPFNHHRNAGRYRSMLLGNGRYVPFHIQVPQKFFAVKNLLLLPGSYTYEWN
FRKDVNMVLQSSLDLRVDGASISFTSINLYATFFPMAHNTASTLEAMLRNDTND
QSFNDYLSAANMLYPIANATNIPISIPSRNWAAFRGWSFTRLKTKETPSLGSGFDP
YFVYSGSIPYLDGTFYLHTFKKVSIMFDSSVSWPGNDRLLSPNEFEIKRTVDGEGY
NVAQCNMTKDWFLVQLANYNIGYQGFYIPEGYKDRMYSFFRNQPMRQVVDE
VNYKDFKAVAIPIYQHNNGFVG YMAPTMRQGQPYPANYPYPLIGTTAVNSVTQK
KFLCDRTMWRIPFSSNFMSALTDLGQNMLYANSAHALDMTFEVDPMDEPTLLY
LLFEVFDVVRVHQP HRGIEAVL RTPFSAGNATT.

1.3 Serotype 36 hexon protein

